

ABSTRACT

A pool cue tip conditioning device has a series of components aligned vertically in a tubular housing, with the lower end of the device arranged for being pulled over a pool cue tip. A striker plate carrying an array of tip-indenting fingers on its bottom side is located at the base of the housing for being driven into a pool cue tip in a manner such that the tip is indented without being damaged. The striker plate is driven by a plunger, which is controlled by a return spring located on a post at the top side of the plunger. A plug is located above the plunger, the plug having an aperture in a bottom surface for receiving the tip of the plunger when the post of the plunger is centered with the plug. The plug is held off-center by an asymmetric return spring which allows the tip of the post to become centered and to move upward into the aperture when the striker plate is moved upward by insertion of a pool cue. A work spring stronger than the return spring then forces the plug downward, slamming it into the plunger, which drives the striker plate into the cue tip.